BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Certificate in Land-based Studies Pearson BTEC International Level 3 in Subsidiary Diploma Land-based Studies Pearson BTEC International Level 3 Foundation Diploma in Agriculture Pearson BTEC International Level 3 Diploma in Agriculture Pearson BTEC International Level 3 Extended Diploma in Agriculture
Unit number and title	Unit 10: Farm Livestock Husbandry
Learning aim(s)	**B:** Explore the nutritional needs of farm livestock in order to maintain good standards of health **C:** Carry out handling and routine husbandry of farm livestock to meet current standards
Assignment title	**Feeding, Handling and Husbandry of Farm Livestock**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	Your supervisor is pleased with the work that you have produced so far, and has informed you that a permanent job may become available in the next few months. Your supervisor has asked you to produce evidence of your practical skills and knowledge of the nutritional requirements of farm livestock, to help them decide your suitability for the post.
Task 1	Choose **three** conventional livestock species; **one from each** of these groups: *cattle, sheep* and *poultry*. Produce a written report in which you will examine, and make judgements about, the diets and feeding strategies for your chosen farm livestock species. In your report, for each of your chosen species: • prepare a ration and feeding strategy considering the nutritional requirements at different life stages, state of health, and body condition score • detail the correct feed ingredients required to meet their nutritional requirements, providing a rationale for your judgements • include a calculated ration, in order to meet each animal's nutritional requirements, using both manual and computerised ration formulation techniques • detail the correct feeding and watering equipment for farm livestock species • make judgements about the diets and feeding strategies produced, and include recommendations for improvements that promote higher animal

	welfare.

Checklist of evidence required	Written evidence Annotated photographs
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
BC.D2	Carry out techniques proficiently, to evaluate diets and feeding strategies designed and recorded for different species of farm livestock, making coherent recommendations for improvement to promote higher welfare.
B.M2	Analyse and record the correct feed ingredients for nutritional composition of feed for different species of farm livestock.
B.P3	Explain the nutritional requirements for different species of farm livestock.
B.P4	Carry out procedures to balance and record animal rations for different species.
B.P5	Explain the correct feeding and watering equipment for farm livestock species.
Task 2	Create a practical portfolio that evidences your ability to safely carry out husbandry and handling of **four** different livestock species (**one of each** from *cattle, sheep, pigs* and *poultry*). The portfolio must include evidence of your practical skills in safely handling, and providing husbandry for, your chosen species in both straightforward and complex situations. It must include: • detailed risk assessments for each handling activity, including; risks to you and the animals, required PPE, and the action you will take to minimise those risks identified • evidence of your assessing the condition of your chosen livestock species, and competently carrying out practical handling and husbandry activities. Evidence should include written explanations, observation records and/or witness statements, a detailed diary, annotated photographs and/or edited video • evidence that you have selected the correct equipment and handling methods in order to safely handle and restrain animals in a variety of situations (e.g. cleaning, feeding, watering, moving, grooming and health-checking) Produce a written account in which you: • Review the advantages and disadvantages of the handling and husbandry techniques, systems, methods and equipment you used - consider ease of use, efficiency and animal welfare. • examine how techniques meet current safety

	standards for the handler and the animal.
Checklist of evidence required	Practical portfolio Annotated photographs and/or edited video recordings Observer Records and/or Witness Statements Diary / log Written evidence
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
BC.D3	Evaluate use of husbandry techniques in maintaining livestock to meet current standards.
C.M3	Demonstrate proficient handling techniques and use of handling equipment to assess condition, clean and maintain different species of farm livestock.
C.P6	Demonstrate correct techniques for routine cleaning, maintenance, feeding and watering of different livestock species.
C.P7	Demonstrate correct standard health and safety practices when assessing and handling farm livestock.
Sources of information to support you with this Assignment	**Textbooks** Bateman, H, Curtis, S and McAdam, K – *Dictionary of Agriculture* (A&C Black Publishers Ltd, 2006) ISBN 0713677783 Bazeley, K – *Practical Cattle Farming* (The Crowood Press Ltd, 2007) ISBN 1861269757 Cardell, K – *Practical Sheep Keeping* (The Crowood Press Ltd, 2012) ISBN 9781847973399 Larkin Hansen, A - *The Organic Farming Manual: A Comprehensive Guide to Starting and Running, or Transitioning to a Certified Organic Farm* (Storey Publishing, 2010) ISBN 9781603424790 Lockhart, J and Wiseman, A - *Lockhart and Wiseman's Crop Husbandry Including Grassland* (Woodhead Publishing Ltd, 2014) ISBN 9781782423713 Roberts V, and Scott-Park F – *BSAVA Manual of Farm Pets* (BSAVA 2008) ISBN 978 - 1905319039 Soffe, RJ and McConnell, P- *The Agricultural Notebook* (Wiley Blackwell, 2003) ISBN 0632058293 **Journals** *Arable Farming* *Crops* *Dairy Farmer* *Farmers Guardian* *Farmers Weekly* *Poultry World* *Practical Poultry*